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CLAIM AMENDMENTS

- 1. (Currently Amended) A method of coating a tubular implantable medical device having a length and a longitudinal axis, comprising depositing a coating composition on an applicator, rotating the [[an]] applicator over the length of the device to apply a first stripe of coating composition to a surface of the device, rotating the device about its longitudinal axis, and then applying a second stripe of coating composition to the surface of the device.

 in a first direction so as to form a layer of a coating composition on a surface of the applicator, and transferring at least some of the layer of the coating composition onto a tubular implantable medical device rotating in a second direction, wherein the second direction is opposite to the first direction or refers to rotation about an axis that is not parallel to a rotation axis of the applicator.
- 2. (Currently Amended) The method of Claim 1, wherein a layer of coating composition the layer on the surface of the applicator has a thickness of about 2.5 microns to about 1000 microns.
- 3. (Currently Amended) The method of Claim 1, wherein a layer of coating composition the layer on the surface of the applicator has a thickness of about 25 microns to about 100 microns.
- 4. (Cancelled)
- 5. (Currently Amended) The method of Claim 1, wherein [[the]] a layer of [[the]] coating composition is transferred to an outer surface of the device.

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6. (Original) The method of Claim 1, wherein the viscosity of the coating composition is

about 10 centipoises at ambient temperature and pressure to about 1000 centipoises at ambient

temperature and pressure.

7. (Original) The method of Claim 1, wherein the device is a stent.

8. (Previously Presented) The method of Claim 1, wherein the coating composition

further comprises a therapeutic substance.

9. (Withdrawn) A method of coating a tubular implantable medical device, the medical

device having a bore, comprising:

placing an applicator having an applicator surface containing at least a polymer

dissolved in a solvent into the bore; and

applying the polymer dissolved in a solvent to the bore.

10. (Cancelled).

11. (Cancelled).

12. (Currently Amended) The method of Claim 1, wherein the rotational speed of the

tubular device is between from 1 rotation per minute to 250 rotations 200 rotations per minute.

13. (Currently Amended) The method of Claim 1, wherein the rotating the applicator

step includes depositing a mass of the a coating composition on the applicator step substrate

followed by includes leveling the composition so that the a layer of coating composition has a

substantially uniform thickness.

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14. (Withdrawn) The method of Claim 13, wherein leveling the composition comprises

directing a gas to the coating composition, the gas having sufficient air flow to reduce the

profile of the composition.

15. (Currently Amended) The method of Claim 13, wherein leveling the coating

composition comprises positioning a barrier in close proximity to an outer surface of the

metering roller at a distance above the surface of the applicator and at a position before the

composition reaches the tubular device such that the movement of the metering roller outer

surface past the barrier causes the coating composition to level to the substantially uniform

thickness before being transferred to the.

16. (Canceled)

(Currently Amended) The method of Claim 18, wherein [[the]] a surface of the 17.

applicator receiving the coating composition is cylindrical in shape.

18. (Currently Amended) A method of coating a tubular implantable medical device,

comprising:

rotating an application roller in a first direction;

providing a controlled deposition of a coating composition onto a surface of the

rotating application roller by depositing a mass of coating composition onto a rotating

metering roller disposed in close proximity to, or in contact with the surface of the application

roller; and

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transferring the coating composition from the application roller to the device including

the steps of disposing the device in close proximity to, or in contact with the surface of the

application roller holding the deposited coating composition, and rotating the device in a

second direction, opposite to the first direction so as to cause the coating composition to be

transferred from the application roller to the device as the application roller and device rotate

in the first and second directions, respectively.

rotating a member so as to form a layer of a coating composition over a surface of an

applicator, and transferring at least some of the layer of the coating composition onto a tubular

implantable medical device while the member rotates.

19. (Canceled)

20. (Currently Amended) The method of Claim 18, wherein the composition is applied

to [[the]] an outer surface of the device.

21. (Currently Amended) The method of Claim 18, wherein the rotational speed of the

member device or application roller is between 0.1 rotations per minute to 200 rotations per

minute.

(Currently Amended) The method of Claim 18, additionally comprising leveling the 22.

composition on the surface of the applicator so that the layer has a substantially uniform

thickness.

23. (Currently Amended) The method of Claim 18, wherein the application roller

member has a radius of curvature about equal to a radius of curvature of the tubular device.

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Claims 24-40. (Canceled).

41. (Withdrawn) A method of coating a tubular implantable medical device having an

outer surface, whereby a surface portion forms a portion of the outer surface and the surface

portion extends along the longitudinal axis of the medical device, the method comprising:

submerging the tubular implantable medical device into a coating composition

including placing only the surface portion in contact with the coating composition; and

rotating the submerged device about the longitudinal axis.

42. (Currently Amended) The method of Claim 18, wherein the surface of the

applicator roller substrate includes vertical grooves, horizontal grooves, grooves with a zigzag

pattern, grooves and/or a discontinuous pattern.

Claims 43 - 44 (Canceled).

45. (Currently Amended) The method of Claim 1, wherein the tubular implantable

medical device is supported on a mandrel.

46. (Canceled).

47. (Currently Amended) The method of Claim 1, wherein the applicator rotates in a

clockwise direction and the tubular implantable medical device rotates in a counter-clockwise

direction.

Claims 48 - 50. (Canceled).

51. (Currently Amended) The method of Claim 1, wherein the applicator roller is

partially submerged in a reservoir comprising a polymer and a solvent.

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52. (Currently Amended) The method of Claim 1, wherein the applicator rotates at about

the same rate as the medical device.

53. (Canceled).

54. (Withdrawn) The method of Claim 9, further including the step of rolling the

applicator around an inner circumference of the bore to thereby apply the polymer dissolved

in a solvent to the bore.

Claims 55-57 (Canceled).

58. (Withdrawn) The method of Claim 41, wherein the placing step further includes

suspending the device over the coating composition such that only the surface portion is in

contact with the coating composition.